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PTO/SB/01 (10-00)

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration Submitted With Initial Filing  
☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number 6160-1P59B

First Named Inventor Robert W. Balliett

**COMPLETE IF KNOWN**

Application Number 09/852,207

Filing Date May 9, 2001

Group Art Unit 1754

Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**PRODUCTION OF PURE MOLYBDENUM OXIDE FROM LOW GRADE  
MOLYBDENITE CONCENTRATES**

the specification of which (Title of the Invention)

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 05/09/2001 as United States Application Number or PCT International

Application Number 09/852,207 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY) Country	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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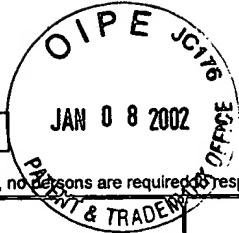
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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to:		<input checked="" type="checkbox"/> Customer Number or Bar Code Label		26486		OR <input type="checkbox"/> Correspondence address below	
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Address							
Address							
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<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>							
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name      Robert W.				Family Name   Balliett or Surname      ♂			
Inventor's Signature						Date	
Residence: City Westborough			State MA		Country USA		Citizenship US
Mailing Address      57 Mill Road							
Mailing Address							
City Westborough			State MA		ZIP 01581		Country USA
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name      Wolfgang				Family Name   Kummer or Surname			
Inventor's Signature			Date				
Residence: City			State		Country Germany		Citizenship German
Mailing Address      c/o H.C. Starck GmbH & Co. KG.							
Mailing Address      Im Schleeke 78-91							
City G slar			State		ZIP		Country Germany
<input checked="" type="checkbox"/> Additional inventors are being named on the 2 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.							



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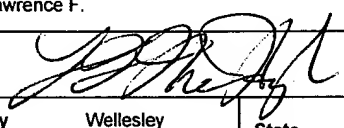
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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet Page 1 of 2
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name John E.		Family Name or Surname Litz	
Inventor's Signature		Date	
Residence: City Golden	State CO	Country USA	Citizenship US
Mailing Address 11010 West 29th Street			
Mailing Address			
City Golden	State CO	ZIP 80401	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Lawrence F.		Family Name or Surname McHugh	
Inventor's Signature 		Date	
Residence: City Wellesley	State MA	Country USA	Citizenship US
Mailing Address 23 Wedgewood Road			
Mailing Address			
City Wellesley	State MA	Zip 02481	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Harry H.K.		Family Name or Surname Nauta	
Inventor's Signature		Date	
Residence: City TG Brielle	State	Country Netherlands	Citizenship Netherlands
Mailing Address Hoogaars 76			
Mailing Address			
City TG Brielle	State	Zip 3232	Country Netherlands

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# DECLARATION

## ADDITIONAL INVENTOR(S) Supplemental Sheet Page 2 of 2

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Paul B.		Family Name or Surname Queneau	
Inventor's Signature		Date	
Residence: City Golden	State CO	Country USA	Citizenship US
Mailing Address 1954 Mt. Zion Drive			
Mailing Address			
City Golden	State CO	ZIP 80401	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Rong-Chien		Family Name or Surname Wu	
Inventor's Signature		Date	
Residence: City Chelmsford	State MA	Country USA	Citizenship US
Mailing Address 3 Rosemary Lane			
Mailing Address			
City Chelmsford	State MA	Zip 01824	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

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Form PTO-1595  
(Rev. 03/01)

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OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Lawrence F. McHugh

09/24/01

## 2. Name and address of receiving party(ies)

Name: H.C. Starck, Inc.

Internal Address: \_\_\_\_\_

Street Address: 45 Industrial PlaceCity: Newton State: MA Zip: 02461Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: September 17, 2001Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/852,207

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jerry CohenInternal Address: Perkins, Smith & Cohen, LLPStreet Address: One Beacon Street  
30th FloorCity: Boston State: MA Zip: 021086. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☒ Authorized to be charged to deposit account  
Deficiencies Only

## 8. Deposit account number:

03-2410 Order No.: 6160-1P59B

(Attach duplicate copy of this page if paying by deposit account)

## DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Kathryn E. Noll

Name of Person Signing

Kathryn E. Noll

Signature

Sept 24, 2001

Date

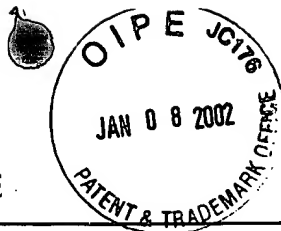
09/27/2001 DBYRHE 00000037 09852207

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Total number of pages including cover sheet, attachments, and documents: 3Documents to be recorded with required cover sheet information to:  
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NOVEMBER 29, 2001

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JERRY COHEN  
ONE BEACON STREET  
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BOSTON, MA 02108



\*101859244A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/24/2001

REEL/FRAME: 012193/0799  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MCHUGH, LAWRENCE F.

DOC DATE: 09/17/2001

ASSIGNEE:

H.C. STARCK, INC.  
45 INDUSTRIAL PLACE  
NEWTON, MASSACHUSETTS 02461

SERIAL NUMBER: 09852207

PATENT NUMBER:

FILING DATE: 05/09/2001

ISSUE DATE:

JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

## ASSIGNMENT

WHEREAS, I, Lawrence F. McHugh, residing at 23 Wedgewood Road, Wellesley, MA 02481, (hereinafter referred to as "Assignor") have jointly made an invention entitled "PRODUCTION OF PURE MOLYBDENUM OXIDE FROM LOW GRADE MOLYBDENITE CONCENTRATES", for which an application for a United States Patent was filed on May 9, 2001 and accorded serial number 09/852,207.

WHEREAS, H.C. Starck, Inc., a corporation organized and existing under the laws of the State of Massachusetts, having its principal place of business at 45 Industrial Place, Newton, MA 02461 (hereinafter referred to as "Assignee"), is desirous of acquiring right, title and interest in said invention.

NOW, THEREFORE, in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors by these presents, do sell, assign and transfer to Assignee, Assignors' entire right, title and interest, for the United States of America and its possessions and territories and for all foreign countries, in and to said invention, including all rights of priority created and conferred by any treaty or international convention which is available in connection with said invention, including the right to apply for patent rights, U.S. or foreign, and in any continuations, divisions, substitutes, renewals, reissues or other applications filed in the U.S. or abroad (including multinational filing arrangements of all kinds), and in any U.S. or foreign patents issued on any such applications and reissues, extensions and renewals thereof, to be held and enjoyed by Assignee, for its own use and behalf and for its successors and assigns, to the full ends of the terms or extended terms for which any Letters Patents or the like may be granted, as fully and entirely as the same would have been held by Assignors had this sale, assignment and transfer not been made.

Assignors hereby authorize and request the Commissioner of Patents of the United States, and any official of any country or countries (including multinational filing arrangements of all kinds), whose duty it is to receive and/or examine applications for patents or similar industrial property, issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to Assignee, its successors and assigns, in accordance with the terms of this instrument.

Assignors covenant with Assignee, its successors, assigns, and legal representatives that Assignors have full right to convey the entire interest herein assigned, and that Assignors have not executed any agreement in conflict herewith and will not execute any agreement or conveyance in conflict herewith.

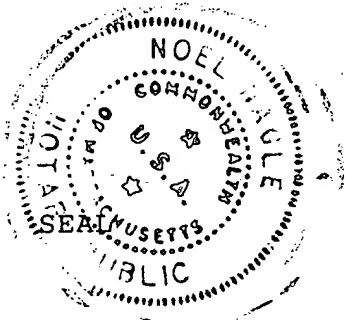
Assignors further covenant and agree to communicate to Assignee, its successors, legal representatives and assigns, any facts known to Assignors respecting said invention, and testify in any legal proceeding, sign all lawful papers, including, without limitation, application papers, assignments, powers of attorney, declarations, and other instruments, execute all divisional, continuing, substitute, reissue, renewal and foreign applications, make all truthful oaths, declarations and statements, and generally do everything reasonably requested of Assignors by Assignee, or its successors or assigns to aid Assignee, its successors or assigns, to obtain, enforce and /or exploit said invention.

Executed this 17<sup>th</sup> day of Sept., 2001.

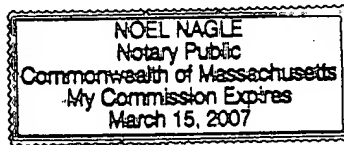
  
Lawrence F. McHugh

State of Mass. )  
 )  
County of U.S.A. ) ss.

Before me appeared Lawrence F. McHugh on this 17<sup>th</sup> day of Sept., 2001,  
who signed this Assignment document, and who acknowledges that he signed it  
as a free act on his behalf.



Noel Nagle  
Notary Public  
My commission expires 7/15/2007



Assignment/sole